

WHAT IS CLAIMED AS NEW AND IS DESIRED TO BE SECURED BY LETTERS  
PATENT OF THE UNITED STATES:

1. A method for inputting information including coordinate data, comprising:  
5 providing at least one camera at a corner of a display;  
extracting, based on outputs from the at least one camera, a predetermined object from  
an image including the predetermined object above a plane;  
recognizing, based on outputs from the at least one camera, a shape of the  
predetermined object and determining whether the predetermined object is a coordinate input  
10 member;  
detecting, based on outputs from the at least one camera, a motion of the  
predetermined object while the predetermined object is within a predetermined distance from  
the plane; and  
determining whether to input predetermined information.

15 2. A method for inputting information including coordinate data according to claim 1,  
wherein the at least one camera includes at least two cameras in opposite corners of the  
display.

20 3. A device for inputting information including coordinate data, comprising:  
at least one camera at a corner of a display;  
an object extracting device configured to extract a predetermined object from an  
image including the predetermined object above a plane;  
a shape recognition device configured to recognize a shape of the predetermined  
25 object and determine whether the predetermined object is a coordinate input member;  
a motion detector device configured to detect a motion of the predetermined object  
while the predetermined object is within a predetermined distance from the plane; and  
a controller configured to determine whether to input predetermined information.

30 4. A device for inputting information including coordinate data according to claim 3,  
wherein the at least one camera includes at least two corners in opposite corners of the  
display.

5. A device for inputting information including coordinate data, comprising:

at least one imaging means at a corner of a display;

means for extracting, based on outputs from the at least one imaging means, a predetermined object from an image including the predetermined object above a plane;

5 means for recognizing, based on outputs from the at least one imaging means, a shape of the predetermined object and determining whether the predetermined object is a coordinate input member;

means for detecting, based on outputs from the at least one imaging means, a motion of the predetermined object while the predetermined object is within a predetermined distance from the plane; and

10 means for determining whether to input predetermined information.

6. A device for inputting information including coordinate data according to claim 5, wherein the at least one imaging means includes at least two imaging means in opposite corners of the display.

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7. A device for inputting information including coordinate data, comprising:

an object extracting device configured to extract a predetermined object from an image including the predetermined object above a plane;

20 a shape recognition device configured to recognize a shape of the predetermined object and determine whether the predetermined object is a coordinate input member;

a motion detector device configured to detect a motion of the predetermined object while the predetermined object is within a predetermined distance from the plane; and

a controller configured to determine whether to input predetermined information.

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